

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listing of claims, in the Application.

Listing of claims:

1. (Currently amended) A method of executing ~~one remote~~ a software management utility command concurrently on ~~a plurality of remote~~ computer systems on a network, each computer system on the network having a network address and a software management utility running thereon, the method comprising the steps of:

cross-referencing into a table each computer system on the network to the network address of the computer system and to the software management utility running on the computer system;

entering the ~~remote~~ software management utility command on a command line in a local command interface;

specifying in the local command interface a plurality of computer systems on the network on which the software management utility command is to be concurrently executed;

~~entering an address for each one of the plurality of remote computer systems in a group section in the local command interface;~~

~~sending the command for execution by the plurality of remote computer systems;~~

~~automatically determining, in response to sending the command for execution, whether each one of the plurality of computer systems specified in the local command interface is accessible;~~

~~deleting, in response to determining that a specified computer system is not accessible, the specified computer system from the local command interface the address of each one of the plurality of computer systems that is determined to be not accessible from the group section;~~

~~mapping the software management utility command entered in the local command interface onto a plurality of corresponding commands, each corresponding command being a particular command of a particular software management utility running on a particular computer system of the specified computer systems remaining in the local command interface;~~

~~dispatching, using the cross-referenced network address of the computer systems remaining in the local software command interface, said command the corresponding commands to the computer systems remaining in the local command interface that are determined to be accessible in order for the command to be concurrently executed by each one of the computer systems whose address is left in the group section;~~  
~~and~~

~~returning a result displaying an output of the execution of the command by each one of the plurality of computer systems that concurrently executed the software management utility command in the local command interface to which the command is dispatched.~~

2. (Currently amended) The method of Claim 21 wherein ~~said step of~~ automatically determining whether each one of the plurality of computer

systems specified in the local command interface is accessible the  
~~computer systems accessibility~~ includes ~~the step of~~ ping~~ing~~ each of said  
computer systems.

3. Canceled.
4. Canceled.
5. (Currently amended) The method of Claim 2 further including ~~the step of~~  
automatically re-dispatching, after an execution error has been corrected,  
the command for execution to a computer system that failed to execute  
the software management utility command successfully ~~and—was~~  
~~corrected.~~
6. (Currently amended) A computer program product on a data storage in a  
~~computer readable medium having instructions, which when executed by~~  
a processor for executing one remote execute a software management  
utility command concurrently on ~~a plurality of remote~~ computer systems on  
a network, each computer system on the network having a network  
address and a software management utility running thereon, the  
instructions comprising instructions for:

cross-referencing into a table each computer system on the network to the  
network address of the computer system and to the software management  
utility running on the computer system;

~~code means for~~ allowing the remote software management utility  
command to be entered on a command line in a local command interface;

specifying in the local command interface a plurality of computer systems on the network on which the software management utility command is to be concurrently executed;

~~code means for entering an address for each one of the plurality of remote computer systems in a group section in the local command interface;~~

~~code means for sending the command for execution by the plurality of remote computer systems;~~

~~code means for automatically determining, in response to sending the command for execution, whether each one of the plurality of computer systems specified in the local command interface is accessible;~~

~~code means for deleting, in response to determining that a specified computer system is not accessible, the specified computer system from the local command interface the address of each one of the plurality of computer systems that is determined to be not accessible from the group section;~~

mapping the software management utility command entered in the local command interface onto a plurality of corresponding commands, each corresponding command being a particular command of a particular software management utility running on a particular computer system of the specified computer systems remaining in the local command interface;

~~code means for dispatching, using the cross-referenced network address of the computer systems remaining in the local software command interface, said command the corresponding commands to the computer systems remaining in the local command interface that are determined to~~

~~be accessible in order for the command to be concurrently executed by each one of the computer systems whose address is left in the group section; and~~

~~code means for returning a result~~ displaying an output of the execution of the command by each one of the plurality of computer systems that concurrently executed the software management utility command in the local command interface ~~to which the command is dispatched.~~

7. (Currently amended) The computer program product of Claim 22 wherein ~~said code means for automatically determining~~ whether each one of the plurality of computer systems specified in the local command interface is accessible ~~the computer systems accessibility includes code means for pinging each of said computer systems.~~
8. Canceled.
9. Canceled.
10. (Currently amended) The computer program product of Claim 7 further including ~~code means for automatically re-dispatching, after an execution error has been corrected,~~ the command for execution to a computer system that failed to execute the software management utility command successfully ~~and was corrected.~~
11. (Currently amended) An apparatus having a processor for processing instructions for executing ~~one remote~~ a software management utility command concurrently on ~~a plurality of remote~~ computer systems on a network, each computer system on the network having a network address

and a software management utility running thereon, the instructions comprising instructions for:

cross-referencing into a table each computer system on the network to the network address of the computer system and to the software management utility running on the computer system;

means for entering the remote software management utility command on a command line in a local command interface;

specifying in the local command interface a plurality of computer systems on the network on which the software management utility command is to be concurrently executed;

means for entering an address for each one of the plurality of remote computer systems in a group section in the local command interface;

means for sending the command for execution by the plurality of remote computer systems;

means for automatically determining, in response to sending the command for execution, whether each one of the plurality of computer systems specified in the local command interface is accessible;

means for deleting, in response to determining that a specified computer system is not accessible, the specified computer system from the local command interface the address of each one of the plurality of computer systems that is determined to be not accessible from the group section;

mapping the software management utility command entered in the local command interface onto a plurality of corresponding commands, each corresponding command being a particular command of a particular software management utility running on a particular computer system of the specified computer systems remaining in the local command interface;

~~means for dispatching, using the cross-referenced network address of the computer systems remaining in the local software command interface, said command~~ the corresponding commands ~~to the computer systems remaining in the local command interface that are determined to be accessible in order for the command to be concurrently executed by each one of the computer systems whose address is left in the group section;~~ and

~~means for returning a result~~ displaying an output of the execution of the command by each one of the plurality of computer systems that concurrently executed the software management utility command in the local command interface ~~to which the command is dispatched.~~

12. (Currently amended) The apparatus of Claim 23 wherein ~~said means for automatically determining whether each one of the plurality of computer systems specified in the local command interface is accessible~~ the computer systems accessibility includes means for pinging each of said computer systems.
13. Canceled.
14. Canceled.

15. (Currently amended) The apparatus of Claim 12 further including ~~means for automatically re-dispatching, after an execution error has been corrected,~~ the command for execution to a computer system that failed to execute the software management utility command successfully ~~and was corrected.~~
16. (Currently amended) A computer system for executing ~~one remote a~~ software management utility command concurrently on ~~a plurality of remote~~ computer systems on a network, each computer system on the network having a network address and a software management utility running thereon, the computer system comprising:

at least a memory device for storing data;

at least a processor for processing the data to cross-reference into a table each computer system on the network to the network address of the computer system and to the software management utility running on the computer system, to allow the remote software management utility command to be entered on a command line in a local command interface, to specify in the local command interface a plurality of computer systems on the network on which the software management utility command is to be concurrently executed, to enter an address for each one of the plurality of remote computer systems in a group section in the local command interface, to send the command for execution by the plurality of remote computer systems, to automatically determine, in response to sending the command for execution, whether each one of the plurality of computer systems specified in the local command interface is accessible, to delete, in response to determining that a specified computer system is not accessible, the specified computer system from the local command interface the address of each one of the plurality of computer systems that

- ~~is determined to be not accessible from the group section, to map the software management utility command entered in the local command interface onto a plurality of corresponding commands, each corresponding command being a particular command of a particular software management utility running on a particular computer system of the specified computer systems remaining in the local command interface, to dispatch, using the cross-referenced network address of the computer systems remaining in the local software command interface, said command the corresponding commands to the computer systems remaining in the local command interface that are determined to be accessible in order for the command to be concurrently executed by each one of the computer systems whose address is left in the group section, and to return a result display an output of the execution of the command by each one of the plurality of computer systems that concurrently executed the software management utility command in the local command interface to which the command is dispatched.~~
17. (Currently amended) The computer system of Claim 24 wherein said processor automatically determines whether each one of the plurality of computer systems specified in the local command interface is accessible the network computer systems operability by pinging each of said network computer systems.
18. Canceled.
19. Canceled.
20. (Currently amended) The computer system of Claim 16 wherein the at least one processor further re-dispatches, after an execution error has been corrected, the command automatically to a network computer

system that failed to execute the software management utility command successfully ~~and was corrected~~.

21. (Currently amended) The method of Claim [[1]] 25 wherein the ~~result~~ output of the execution of the command is streamed.
22. (Currently amended) The computer program product of Claim [[6]] 26 the ~~result~~ output of the execution of the command is streamed.
23. (Currently amended) The apparatus of Claim 44 27 wherein the ~~result~~ output of the execution of the command is streamed.
24. (Currently amended) The computer system of Claim 46 28 wherein the ~~result~~ output of the execution of the command is streamed.
25. (New) The method of Claim 1 wherein mapping the software management utility command entered in the local command interface onto the plurality of corresponding commands includes determining, using the table, whether the software management utility command entered in the local command interface can be translated into the corresponding command of the software management utility running on each one of the plurality of the specified computer systems and generating an error message in response to determining that the software management utility command entered in the local command interface cannot be translated into the corresponding command of the software management utility running on a computer system of the plurality of the specified computer systems.
26. (New) The computer program product of Claim 6 wherein mapping the software management utility command entered in the local command interface onto the plurality of corresponding commands includes

AUS920010901US1

- determining, using the table, whether the software management utility command entered in the local command interface can be translated into the corresponding command of the software management utility running on each one of the plurality of the specified computer systems and generating an error message in response to determining that the software management utility command entered in the local command interface cannot be translated into the corresponding command of the software management utility running on a computer system of the plurality of the specified computer systems.
27. (New) The apparatus of Claim 11 wherein mapping the software management utility command entered in the local command interface onto the plurality of corresponding commands includes determining, using the table, whether the software management utility command entered in the local command interface can be translated into the corresponding command of the software management utility running on each one of the plurality of the specified computer systems and generating an error message in response to determining that the software management utility command entered in the local command interface cannot be translated into the corresponding command of the software management utility running on a computer system of the plurality of the specified computer systems.
28. (New) The computer system of Claim 16 wherein mapping the software management utility command entered in the local command interface onto the plurality of corresponding commands includes determining, using the table, whether the software management utility command entered in the local command interface can be translated into the corresponding command of the software management utility running on each one of the plurality of the specified computer systems and generating an error

message in response to determining that the software management utility command entered in the local command interface cannot be translated into the corresponding command of the software management utility running on a computer system of the plurality of the specified computer systems.